

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1-32. (canceled)

33. (previously presented) A stripline device, comprising:

a metal having a valve action;

a dielectric coating formed on a surface of the metal having the valve action; and

a conductive material layer formed around the metal having the valve action via the dielectric coating;

wherein a pair of first electrode leading terminals is provided on both ends in a longitudinal direction of the metal having the valve action to make connection to through holes of a printed wiring board, and a pair of second electrode leading terminals is provided on different positions of the metal member to make connection to through holes of the printed wiring board.

34. (previously presented) The stripline device according to claim 33, wherein the metal having the valve action is rectangular in cross section.

35. (previously presented) The stripline device according to claim 33, wherein the metal having the valve action is circular or oval in cross section.

36. (previously presented) The stripline device according to claim 33, wherein the metal having the valve action is shaped like a ring in cross section.

37. (previously presented) The stripline device according to claim 33, wherein the metal having the valve action is formed into a plate or foil.

38. (previously presented) The stripline device according to claim 33, wherein both ends of the stripline device are bent or curved.

39. (previously presented) The stripline device according to claim 33, wherein the metal having the valve action has a longitudinal width larger than a cross sectional width.

40. (previously presented) The stripline device according to claim 33, wherein the electrode leading terminal in contact with the printed wiring board has an area larger than a cross-sectional area of the electrode leading terminal not coming into contact with the printed wiring board.

41. (previously presented) A stripline device, comprising a metal having a valve action, a dielectric coating formed on a surface of the metal, a conductive material layer formed around the metal via the dielectric coating, and a metal member which is disposed in contact with the conductive material layer and transmits direct-current power, wherein:

the stripline device includes a first electrode leading terminal for connecting an end of the metal having the valve action and a printed wiring board;

second electrode leading terminals connected to the printed wiring board are integrally formed on the metal member; and

the second electrode leading terminals and the first electrode leading terminals connected to both ends of the metal having the valve action form four terminals.

42. (previously presented) The stripline device according to claim 41, wherein:

the first electrode leading terminal includes:

a connecting member connected to the metal having the valve action;

a first leg member connected to a wire on the printed wiring board; and

a first body member for connecting the connecting member and the leg member;

the connecting member and the first leg member are connected almost perpendicularly to both ends in a longitudinal direction of the first body member;

the second electrode leading terminal integrally formed on the metal member includes:

a second body member; and

a second leg member for making connection to a wire on the printed wiring board;

the second body member is connected to an upper end of a mounting surface of both ends in a longitudinal direction of the metal member; and

the second leg member is connected to the body member almost in parallel with the mounting surface.

43. (previously presented) The stripline device according to claim 41, wherein:

the first electrode leading terminal includes:

a connecting member connected to the metal having the valve action;

a first leg member connected to a wire on the printed wiring board; and

a first body member for connecting the connecting member and the leg member;

a member is provided to interpose the first body member

between the connecting member connected to the first body member and the first leg member on both ends in a longitudinal direction of the first body member and connect the connecting member and the first leg member almost perpendicularly to the first body member; and

the second electrode leading terminals include second leg members connected to both ends in a longitudinal direction of the metal member and near one of long sides of the metal member almost in parallel with the mounting surface.

44. (previously presented) The stripline device according to claim 41, wherein:

the first electrode leading terminal includes:

a connecting member connected to the metal having the valve action; and

a first body member connected to a wire on the printed wiring board;

the connecting member is connected to an end in a longitudinal direction of the first body member almost perpendicularly to the first body member; and

the second electrode leading terminal includes a second body member connected almost perpendicularly to a vicinity of one of long sides of both ends in a longitudinal direction of the metal member.

45. (previously presented) The stripline device according to claim 41, wherein:

the first electrode leading terminal includes:

a connecting member connected to the metal having the valve action; and

a first body member connected to a wire on the printed wiring board;

the connecting member is connected to an end in a

longitudinal direction of the first body member almost perpendicularly to the first body member;

the second electrode leading terminal includes a second body member connected almost perpendicularly to a central area near both ends in a longitudinal direction of a mounting surface of the metal member; and

the first electrode leading terminal and the second electrode leading terminal are disposed almost in line with each other in the longitudinal direction of the mounting surface of the metal member.

46. (previously presented) The stripline device according to any one of claim 41, wherein the first leg member and the second leg member have a cross sectional area larger than a cross sectional area of the first body member and the second body member not coming into contact with the printed wiring board.

47. (previously presented) The stripline device according to claim 33, wherein the conductive material layer includes a layer of a conducting polymer.

48. (previously presented) The stripline device according to claim 47, wherein the conducting polymer is one or more compounds selected from the group consisting of polypyrrole, polythiophene, and polyaniline, or a derivative of the compounds.

49. (previously presented) The stripline device according to claim 47, wherein the conductive material layer has the conducting polymer layer disposed on a side of the dielectric coating and a conductive paste layer formed on the conducting polymer layer.

50. (previously presented) The stripline device according to claim 49, wherein the metal member is fixed on the conductive paste layer.

51. (previously presented) The stripline device according to claim 33, wherein the metal having the valve action is a metal selected from the group consisting of aluminum, tantalum, and niobium.

52. (previously presented) The stripline device according to claim 33, wherein the metal having the valve action, the dielectric coating, and the conductive material layer are molded with resin.

53-61. (canceled).

62. (previously presented) A method of forming a stripline device, comprising the steps of:

forming a metal having a valve action;

forming a dielectric coating on a surface of the metal having the valve action;

forming a conductive material layer around the metal having the valve action via the dielectric coating to form a strip line;

bonding the strip line and a plurality of substrates, on which a metal member having a second electrode leading terminal and a lead frame serving as a first electrode leading terminal are integrally formed, after performing positioning such that the conductive material layer and the metal member are in contact with each other and the lead frame and the metal having the valve action are in contact with each other; and

cutting the second electrode leading terminal and the lead frame from the substrate at a predetermined distance to complete a stripline device.